



Docket No. CL-25002-US  
PATENT & TRADEMARK OFFICE  
2002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Katsuhisa SATOH

Serial No.: 10/031,399

Group Art Unit: 2311

Filing Date: January 18, 2002

Examiner: Chen, Tianjie

For: DISC PLAYER

Honorable Commissioner of Patents  
Alexandria, Virginia 22313-1450

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Technology Center 2600

**SUBMISSION OF FORMAL DRAWINGS**

Sir:

Submitted herewith are nine (9) sheets of formal drawings comprising Figures 1A - 9D for the above-identified patent application. Acknowledgment of receipt is respectfully requested. Please substitute these formal drawings for the drawings which were filed with the application.

Respectfully submitted,

Date: September 3, 2004

  
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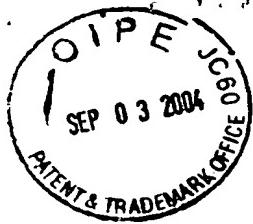


FIG. 1

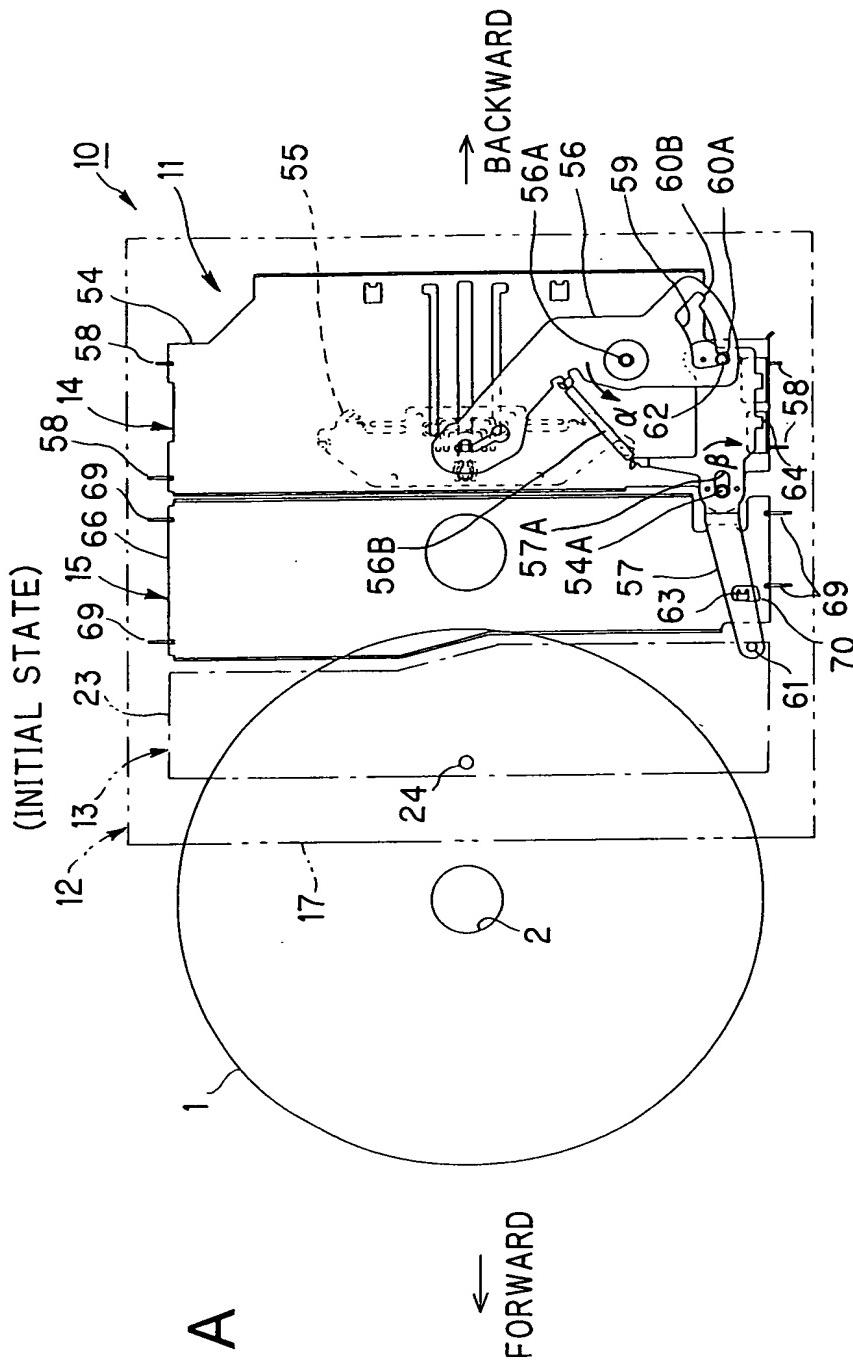
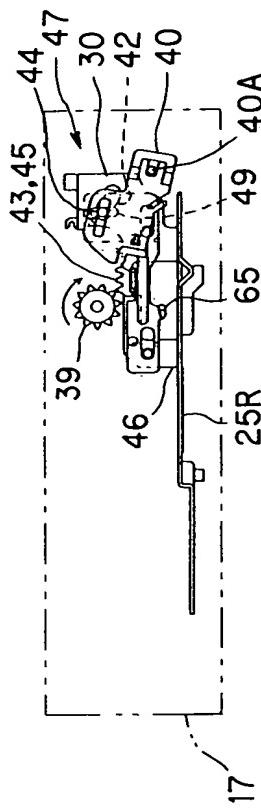
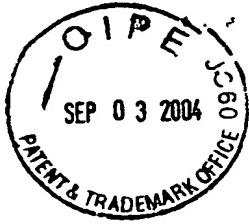


FIG. 1 B





(DISC POSITIONING STATE)

## FIG. 2A

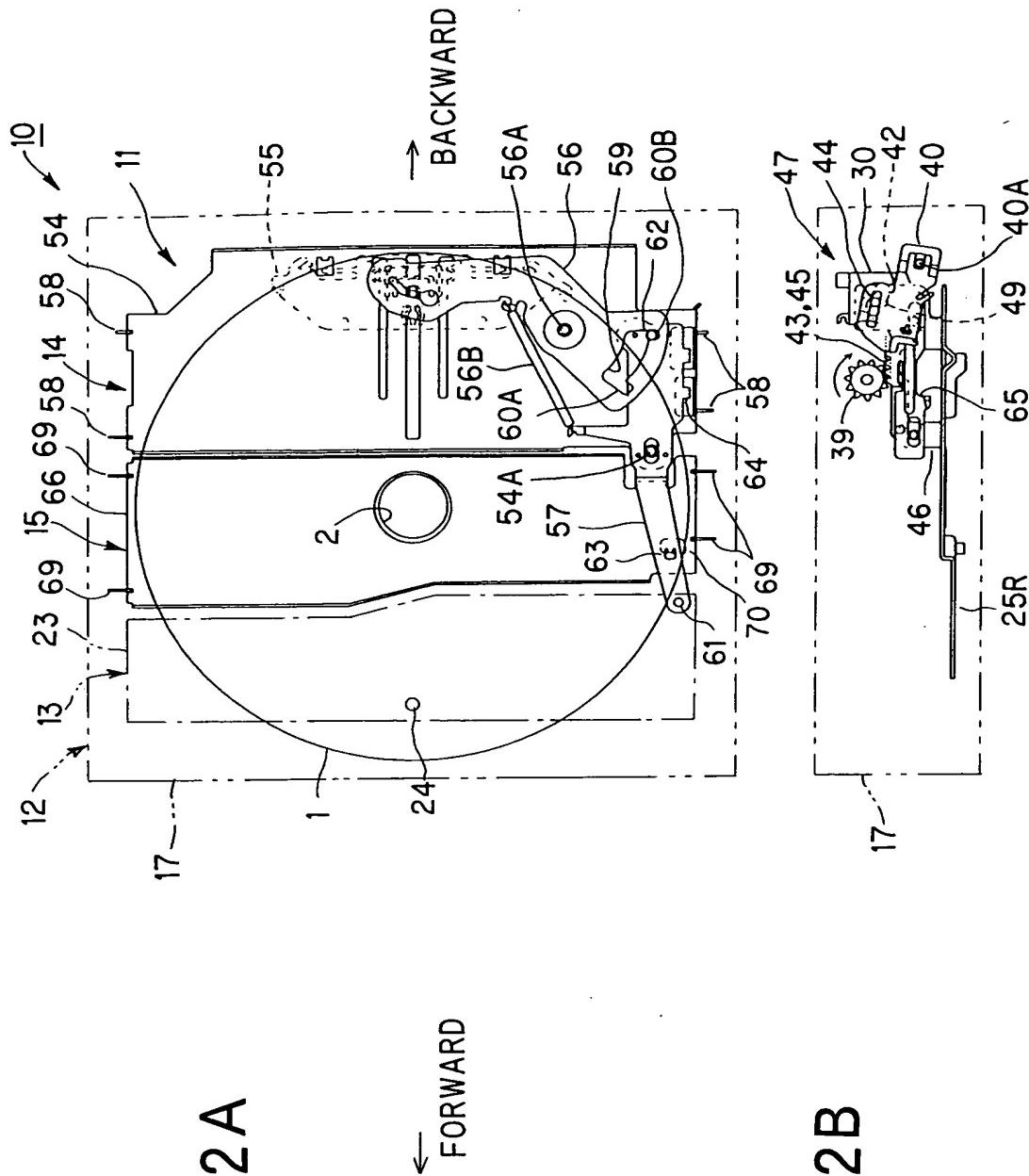
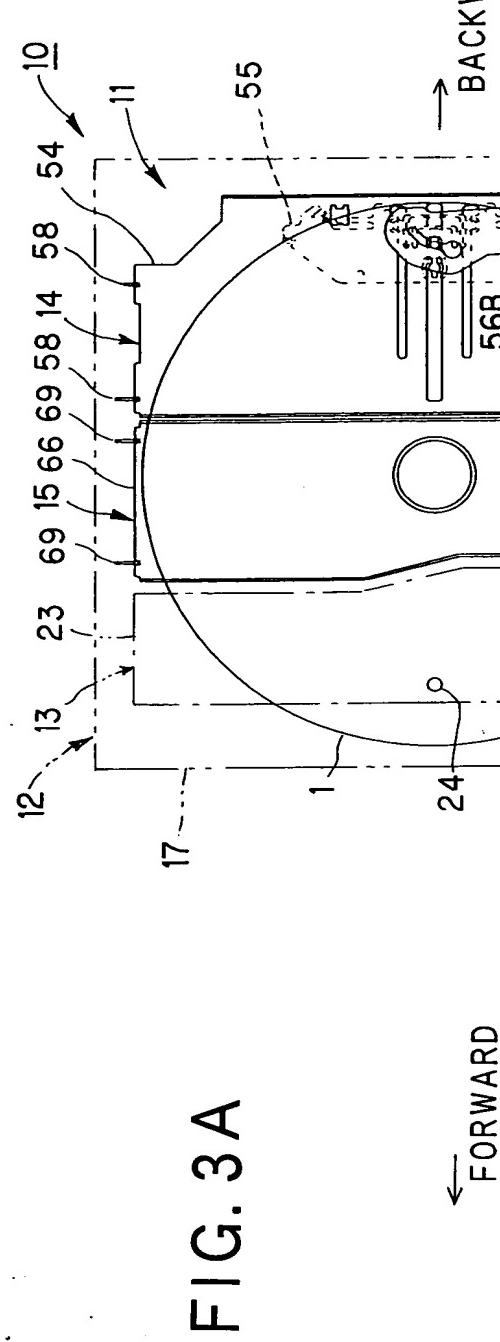


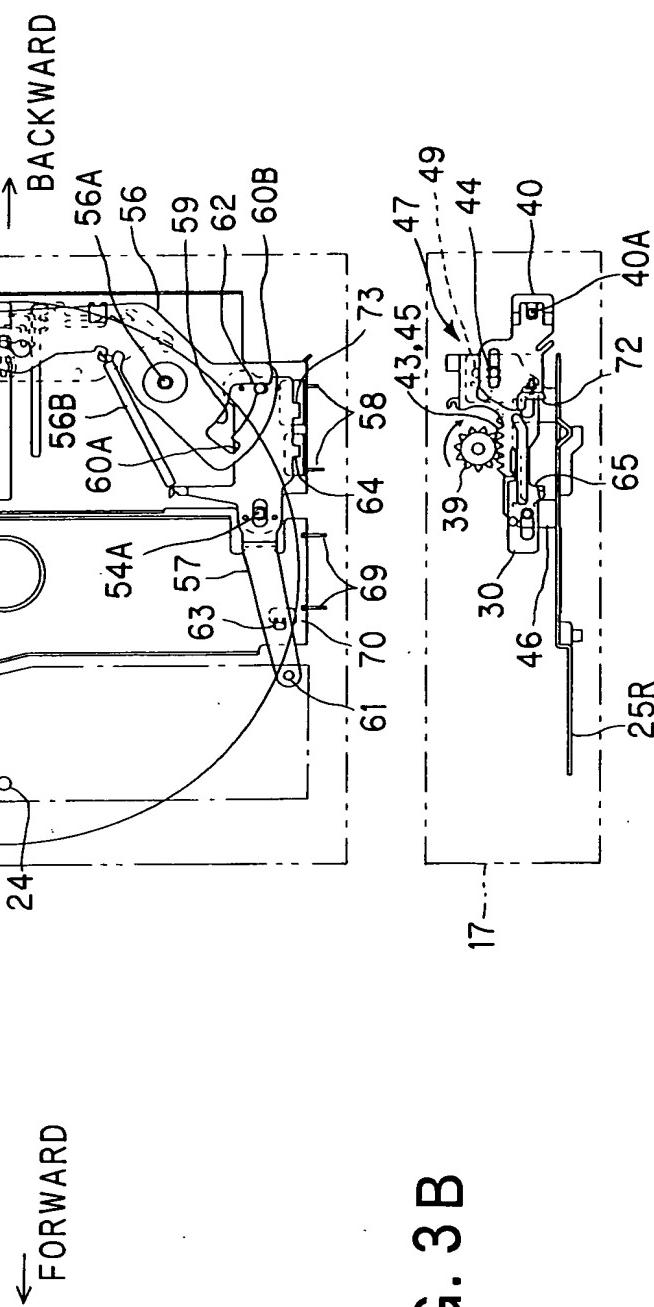
FIG. 2B



(DISC CHUKING STATE)

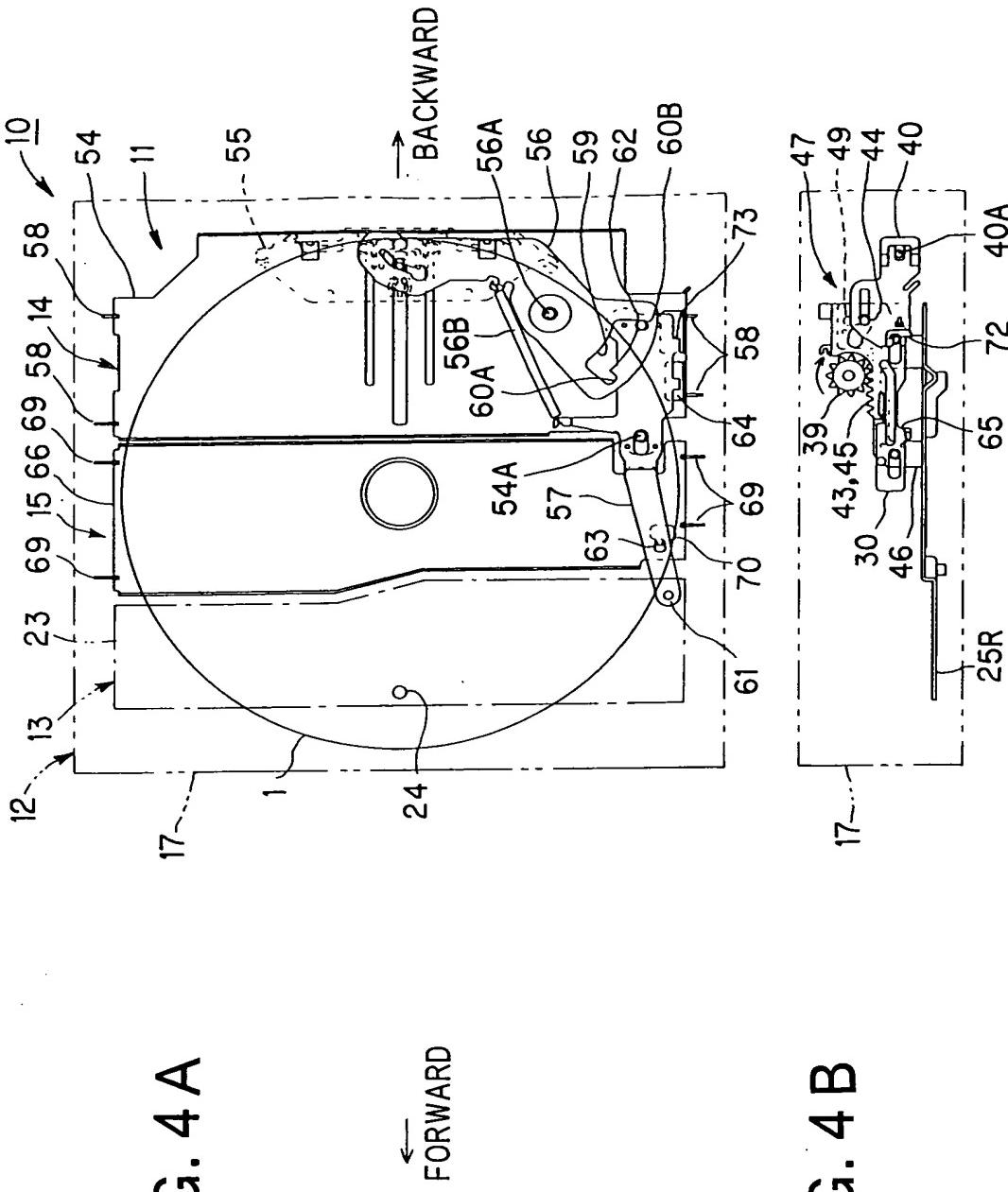


**FIG. 3B**





(CENTERING—COMPLETED STATE)



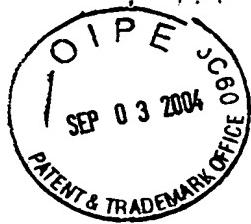


FIG. 5A

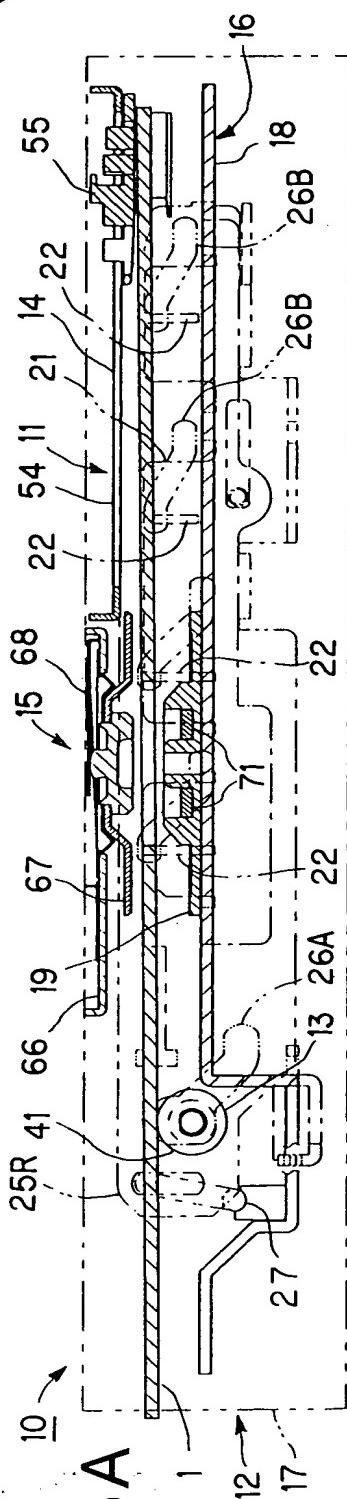
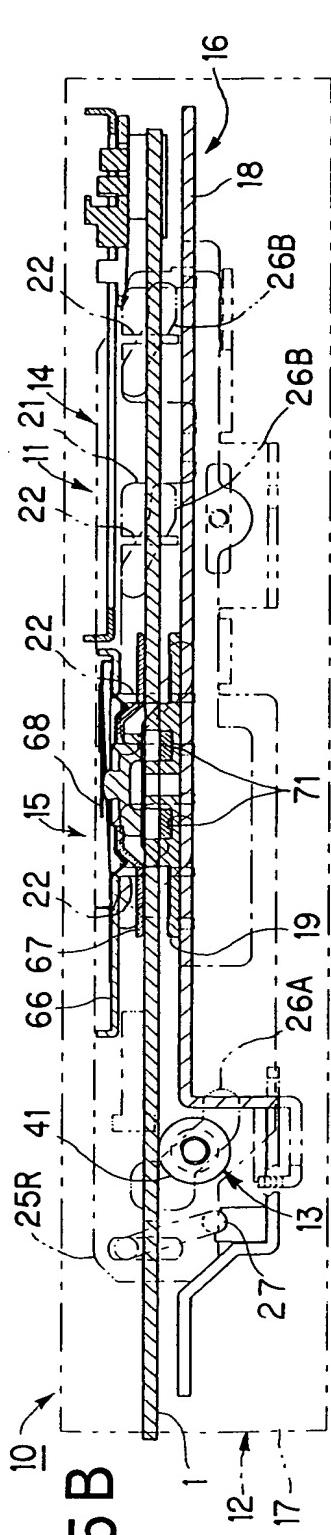


FIG. 5B



## FIG. 5C

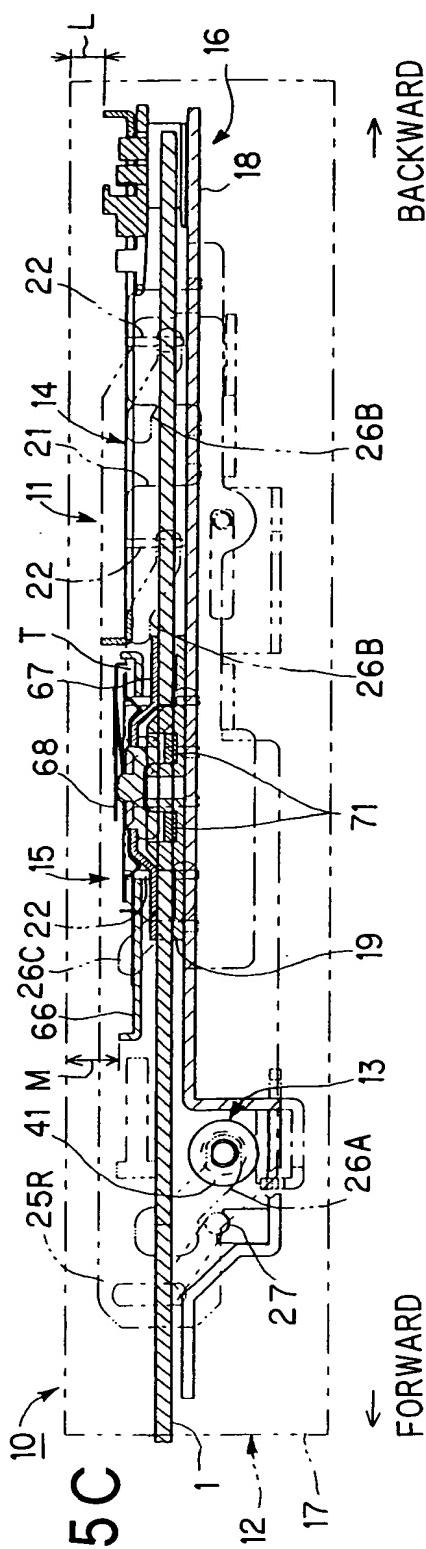




FIG. 6

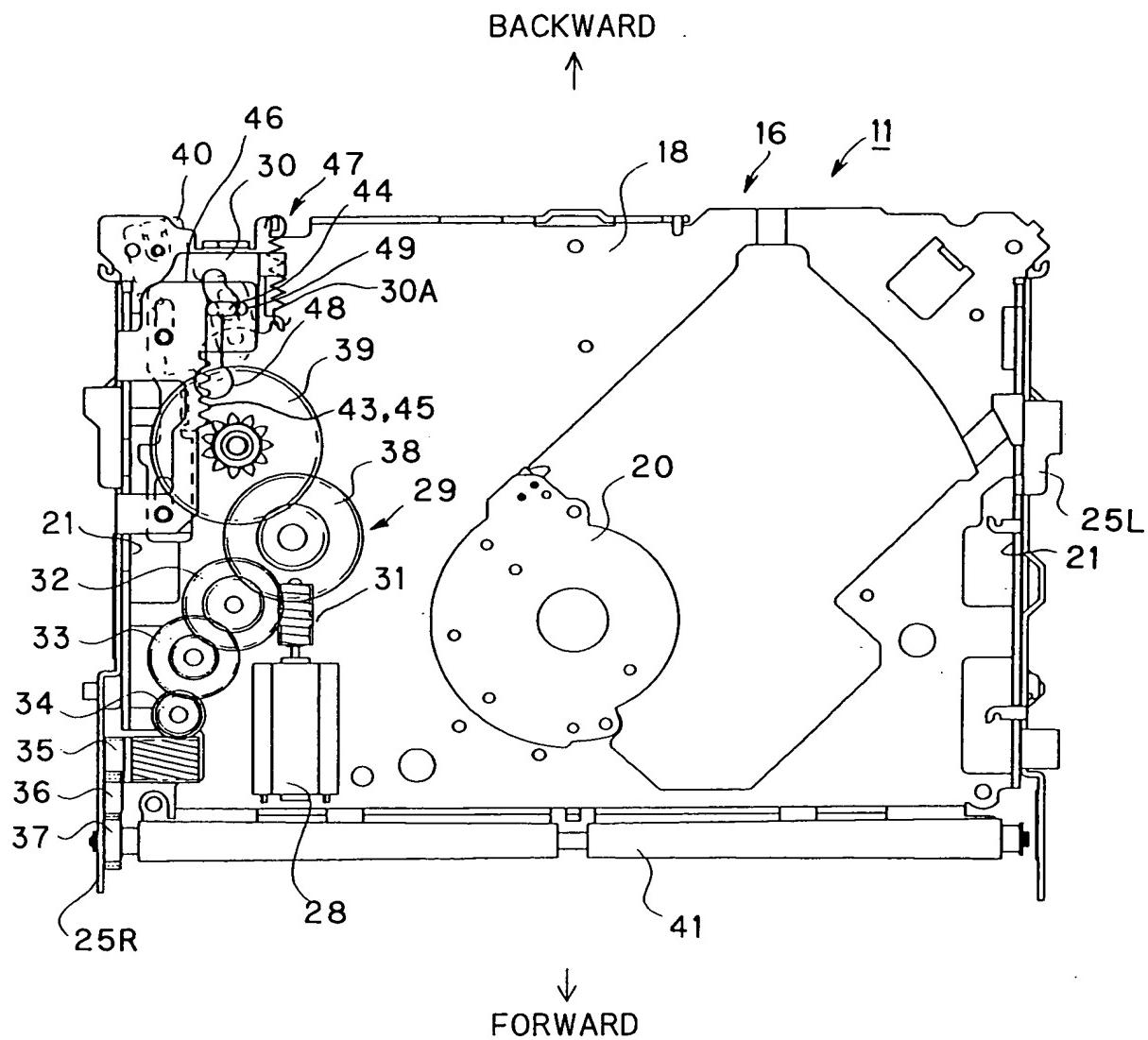
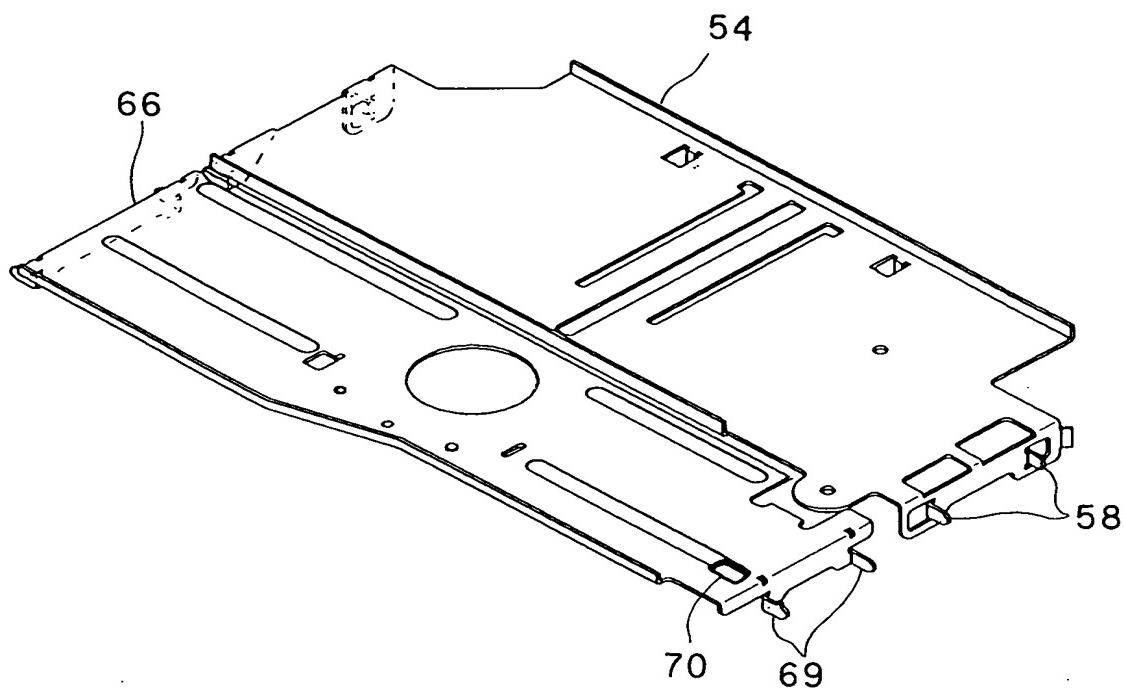




FIG. 7



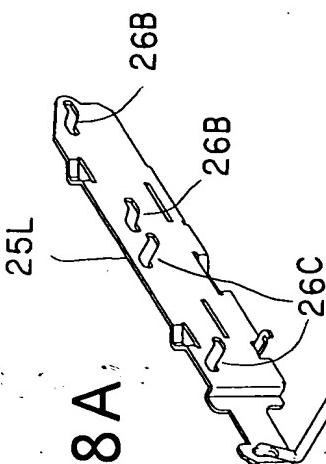


FIG. 8 A

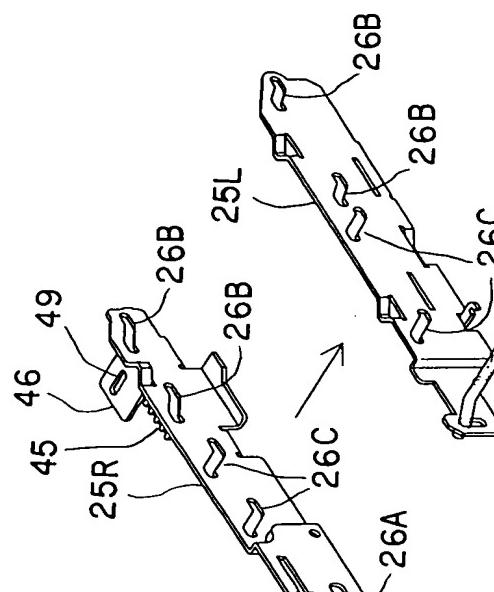
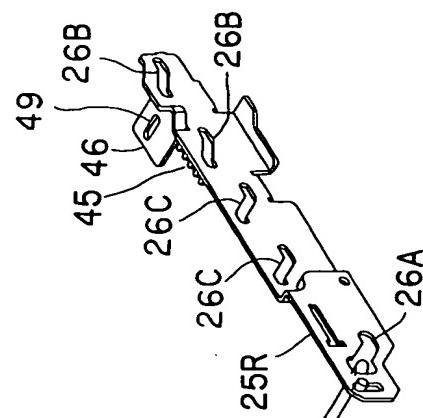
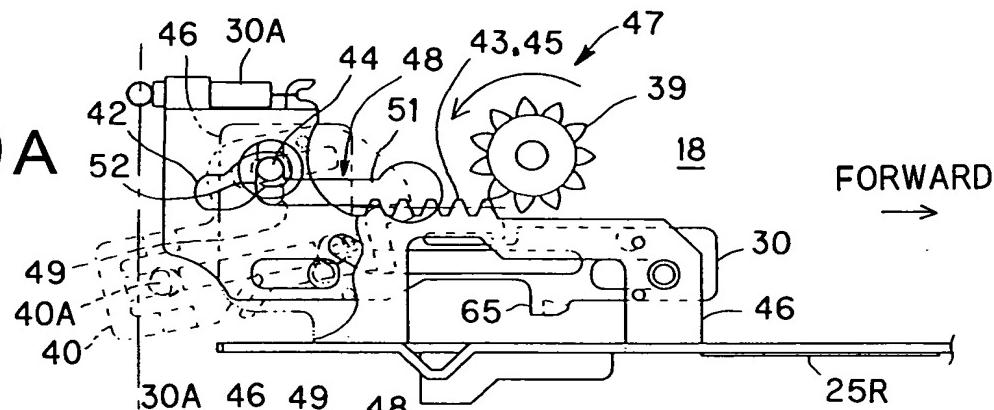


FIG. 8 B

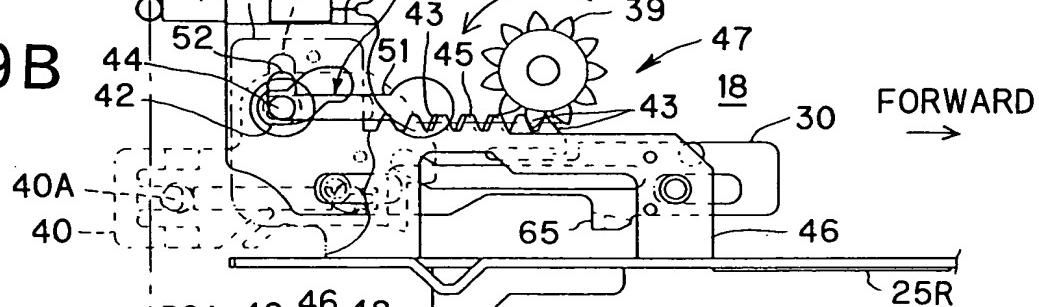




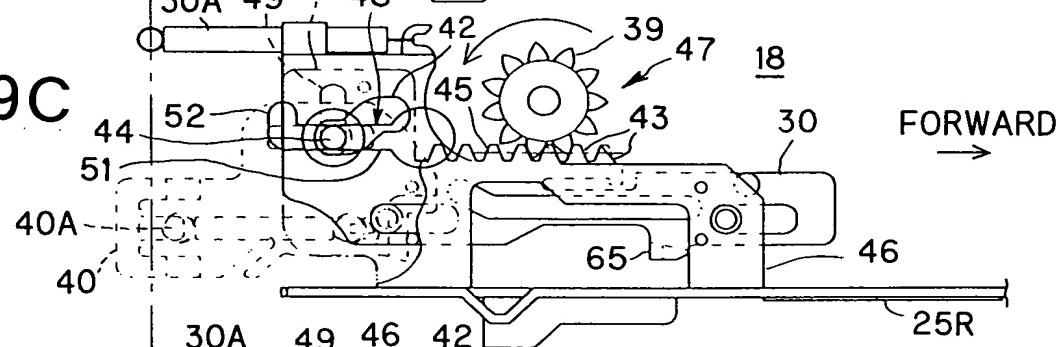
**FIG. 9A**



**FIG. 9B**



**FIG. 9C**



**FIG. 9D**

